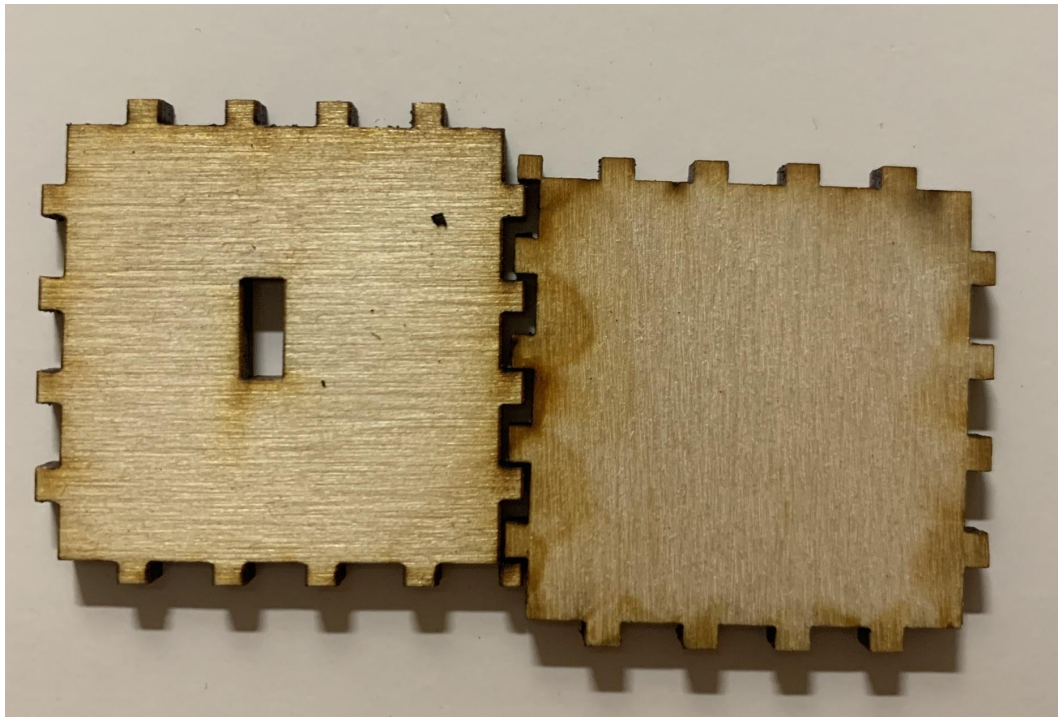


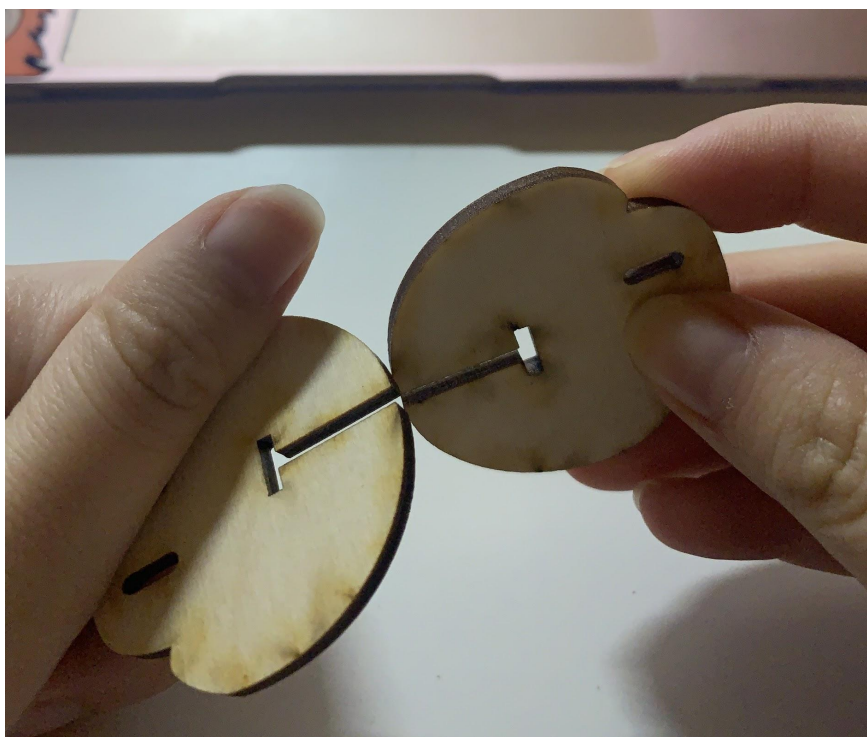
Phase 3: Goldilocks Laser tests: Initial Designs tests for Fasteners

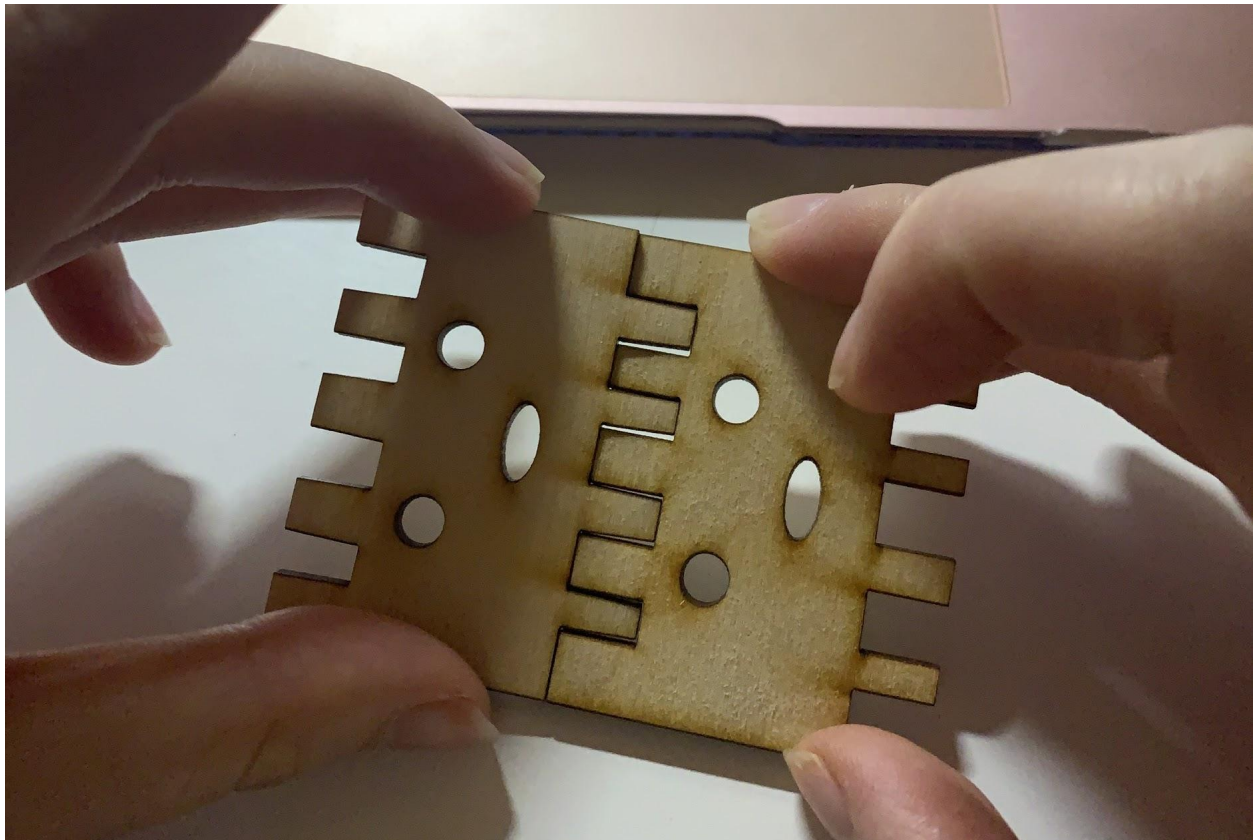
Group 6: Sweet Potatoes

We tested out our designs and fasteners for the first time. There are definitely a lot of improvements we have to make regarding sizing for the tessellation and fastener portions. While I believe the idea is correct in the sense of our pieces tessellating, most of our errors fall under the thickness and sizes of our openings. Our fasteners utilize slots and friction for our pieces to fit, which is why it is very important for our piece sizing to be perfect. Our pieces were tested cut on both acrylic and wood in order for us to choose which would be the best fit for our design.

Below are the examples of our pieces not fitting together and the shapes we would want to modify. Many of the openings are either too small for the other piece to fit, or too wide that they leave gaps and are not able to fit together.







Below is a fastener design that did end up working well, so this is the only shape that we will probably end up keeping and not changing. This test was on acrylic, but the wood version of this also fits.

